

**DAMAGE SURVEY REPORT (DSR)**  
**Emergency Watershed Protection Program – Recovery**

**Section 1A**

Date of Report: 04/08/2006

DSR Number: 023-05-011R Project Number: \_\_\_\_\_

**NRCS Entry Only**

Eligible: YES X NO \_\_\_\_\_  
Approved: YES X NO \_\_\_\_\_  
Funding Priority Number (from Section 4) 2adef  
Limited Resource Area: YES \_\_\_\_\_ NO X

**Section 1B Sponsor Information**

Sponsor Name: Gravity Drainage District 3, Cameron Parish

Address: P.O. Box 1280

City/State/Zip: Cameron, LA 70631

Telephone Number: (337) 794-1661 Fax: \_\_\_\_\_

**Section 1C Site Location Information**

County: Cameron State: Louisiana Congressional District: 7  
U.S. 29.79679 U.S. 93.19142 R8W T14S Section33  
Latitude: D.S. 29.81087 Longitude: D.S.93.34280 Section: 10W Township:T14S Range Section25

UTM Coordinates: \_\_\_\_\_

Drainage Name: W-1 Reach: \_\_\_\_\_

Damage Description: Woody debris, household/home debris, and sediment deposited in and around channel by Hurricane Rita.

**Section 1D Site Evaluation**

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	X		
Recovery measures would be for runoff retardation or soil erosion prevention?*	X		
Threat to life and/or property?*	X		
Event caused a sudden impairment in the watershed?*	X		
Imminent threat was created by this event?**	X		
For structural repairs, not repaired twice within ten years?***	X		
<b>Site Defensibility</b>			
Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***)	X		
Proposed action technically viable? (Go to Page 9 ***)	X		

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES X NO \_\_\_\_\_

Comments: Local gravity drainage district has been consulted.

\* Statutory

\*\* Regulation

\*\*\* DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages. 1 of 14

Approved 7/2005

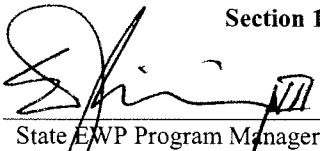
### Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A: Remove sediment and dispose of using existing spoil to the maximum extent, remove debris and dispose of in an approved landfill; accessing from one side of channel and from within channel

Total installation cost identified in this DSR: Section 3:

### Section 1F NRCS State Office Review and Approval

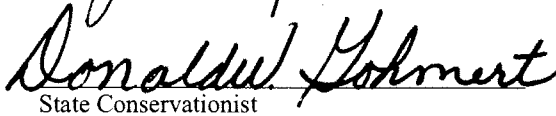
Reviewed By:

  
State EWP Program Manager

Date Reviewed:

5/19/06

Approved By:

  
State Conservationist

Date Approved:

5/22/06

### PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

### USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)

Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

### Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 or the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

## Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternatives and Effects		
		Proposed Action	No Action	Alternative
		Remove sediment and dispose of using existing spoil, remove debris and dispose of in an approved landfill; accessing from one side of channel and from within channel	Leave all debris, sediment, and vegetation deposited during the storm in the channel	Remove and dispose of storm deposited debris, sediment, and vegetation from the channel using both sides of the channel for access
		2D Effects of Alternatives		
Soil				
Bank erosion	Disturbed soils from storm related erosion and vegetation loss	Sediment and debris removal will allow banks to revegetate and reduce erosion	Continued bank erosion from elevated water levels	Sediment and debris removal will allow banks to revegetate and reduce erosion
Compaction	No compaction	Limited compaction due to use of heavy equipment	No compaction	Moderate compaction due to use of heavy equipment
Water				
Flooding	Increased depth and duration of flooding	Restore to prestorm condition	Increased flood hazard continues or worsens	Restore to prestorm condition
DO	Low DO from decreased water flow and increased turbidity	Remove debris/increase flow and DO	Blockage/low flow/decreased DO	Remove debris/increase flow and DO
BOD	High BOD from vegetation/organic decomposition	Improve BOD by removing detritus	High BOD	Improve BOD by removing detritus
Overall stream health	SVAP=3	SVAP=3	SVAP=3	SVAP=3
Air				
Particulate matter/dust	No effect	Temporary slight increase	No effect	Temporary slight increase
Odor	Reduced flow and increased flooding causing foul odor	Restored flow and water regime, reduces odor	Reduced flow and increased flooding causing foul odor	Restored flow and water regime, reduces odor
Plant				
Riparian plants	Excess sediment potential damage	Sediment and debris removal will increase growth potential	Continued growth limitation	Sediment and debris removal will increase growth potential
Animal				
Aquatic habitat	Impaired food web	Quality increased by reducing BOD	Quality impaired	Quality increased by reducing BOD
Other				
vectors	Stagnant pools	Decrease growth potential	Potential disease transmittal	Decrease growth potential
aesthetics	Poor due to debris	Improve by removal of debris	Poor due to debris	Improve by removal of debris

**Section 2E Special Environmental Concerns**

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA jurisdiction	Improve water quality; CWA permit required	Increase blockage/clutter permit not required	Improve water quality; CWA permit required
Coastal Zone Management Areas	CZMA jurisdiction	CZMA permit required	Permit not required	CZMA permit required
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	(FOTG) State level review needed	(FOTG) State level review needed	N/A	(FOTG) State level review needed
Endangered and Threatened Species	Several species listed in the Parish (FOTG/USFWS)	None on-site (FOTG); no suitable habitat on-site (field investigation); no effect	None on-site (FOTG); no suitable habitat on-site (field investigation); no effect	None on-site (FOTG); no suitable habitat on-site (field investigation); no effect
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	N/A	N/A	N/A	N/A
Fish and Wildlife Coordination	No stream modification proposed; consultation not required for debris removal	Consultation not required for debris removal	N/A	Consultation not required for debris removal
Floodplain Management	100-year floodplain function is impaired	Improved function to drainage channel by restoring pre-storm hydraulic capacity	100-year floodplain function is impaired	Improved function to drainage channel by restoring pre-storm hydraulic capacity
Invasive Species	Chinese Tallow along some stretches of the channel	Improved ability to control exotic species	Potential increase from exposed soil	Improved ability to control exotic species
Migratory Birds	Food and habitat for Passerines reduced	Food and cover quality improved	Food and cover quality reduced	Food and cover quality improved
Natural Areas	(FOTG) none identified	(FOTG) none identified	(FOTG) none identified	(FOTG) none identified
Prime and Unique Farmlands	(FOTG) (Soil Survey) none identified	(FOTG) (Soil Survey) none identified	(FOTG) (Soil Survey) none identified	(FOTG) (Soil Survey) none identified
Riparian Areas	Riparian area impacted by altered hydrology	Riparian area improved by restoring drainage	Riparian area impacted by altered hydrology	Riparian area improved by restoring drainage
Scenic Beauty	Debris negatively impact	Debris removal will increase aesthetics	Debris negatively impact	Debris removal will increase aesthetics
Wetlands	Potential impact from altered hydrology	Sediment removed from the channel should be properly removed or used beneficially	Potential impact from altered hydrology	Sediment removed from the channel should be properly removed or used beneficially
Wild and Scenic Rivers	N/A	N/A	N/A	N/A

Completed By: Troy J. MallachDate: 02/10/2006

**DSR NO: 023-05-011R**

**Section 2F Economic**

**This section must be completed by each alternative considered (attach additional sheets as necessary).**

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
Approximately 250 residential Properties *	\$12,750,000	20%	\$2,550,000
including houses, trailers, condos,etc.			
Mostly north along Hwy 27/82 between			
Cameron and Creole, LA.			
Properties Protected (Public)			
Business Losses			
Other			
<b>Total Near Term Damage Reduction</b>			<b>\$2,550,000.00</b>
<b>Total Near Term Damage Reduction Minus Engineers Cost Estimate</b>			<b>\$</b>

Completed By: William Waits, Economist

Date: 04/08/2006

**Section 2G Social Consideration**

**This section must be completed by each alternative considered (attach additional sheets as necessary).**

	<b>YES</b>	<b>NO</b>	<b>Remarks</b>
Has there been a loss of life as a result of the watershed impairment?		X	
Is there the potential for loss of life due to damages from the watershed impairment?	X		Subsequent storm events will impair the ability of emergency services to reach the community.
Has access to a hospital or medical facility been impaired by watershed impairment?		X	Subsequent storm events will impair the ability of emergency services to reach the community.
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)		X	Subsequent storm events will impair the ability of emergency services to reach the community. Public health may be negatively impacted by increased potential for insect-borne disease.
Is there a lack or has there been a reduction of public safety due to watershed impairment?	X		Subsequent storm events will impair the ability of emergency services to reach the community. Public health may be negatively impacted by increased potential for insect-borne disease.

Completed By: Brian Baiamonte Date: 04/08/2006

**Section 2H Group Representation and Disability Information****This section is completed only for the preferred alternative selected.**

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	1
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	1
Asian Female Hispanic	
Asian Female Non-Hispanic	1
Asian Male Hispanic	
Asian Male Non-Hispanic	2
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	22
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	16
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	337
White Male Hispanic	
White Male Non-Hispanic	332
Total Group	712

Census tract(s) Block 2002, 2009, 2019, 2004, 3002, 3005, and 3012; Tract 9702, Cameron ParishCompleted By: Brian BaiamonteDate: 04/10/2006

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Sponsor is required to secure all relevant easements needed to commence emergency work.  
Sponsor shall obtain a CWA and CZMA permit, if necessary.

Mitigation Description:

Access to a portion of the debris shall be from existing roads where possible, from existing spoil where possible, and from within the channel to reduce negative impacts to adjacent marsh. Debris shall be disposed of off-site in an approved landfill. Work shall be completed in a timely manner to reduce impact to the community and to wildlife. Project will reduce the potential for insect-borne disease by restoring flow and plant condition to prestorm conditions.

Agencies, persons, and references consulted, or to be consulted:

Corps of Engineers – CWA Permit  
LA DNR – Coastal Use Permit  
USFWS – **for consultation only**  
LDWF – **for consultation only**



## Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application  
(see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input checked="" type="checkbox"/>			
2. Is this a site where there is serious, but not immediate threat to human life?	<input checked="" type="checkbox"/>			
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?				
4. Is this site a funding priority established by the NRCS Chief?				
<b>The following are modifiers for the above criteria</b>			<b>Modifier</b>	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?			Yes	
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?			No	
c. Will the proposed action or alternatives protect or conserve prime or important farmland?			No	
d. Will the proposed action or alternatives protect or conserve existing wetlands?			Yes	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			Yes	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?			Yes	

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

**Remarks:** Project will improve water quality and plant health in adjacent marshland by restoring prestorm flow.

**Section 5A Findings**

**Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):** Remove sediment and dispose of using existing spoil to the maximum extent, remove debris and dispose of in an approved landfill; accessing from one side of channel and from within channel

*I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:*

X Has been sufficiently analyzed in the EWP PEIS (reference all that apply)

Chapter 5.2.2.1.2

Chapter \_\_\_\_\_

Chapter \_\_\_\_\_

Chapter \_\_\_\_\_

Chapter \_\_\_\_\_

\_\_\_\_\_ May require the preparation of an environmental assessment or environmental impact statement.  
The action will be referred to the NRCS State Office on this date: \_\_\_\_\_

NRCS representative of the DSR team

Title: District Conservationist

Date: 4/21/06

**Section 5B Comments:****Section 5C**

Sponsor Concurrence: \_\_\_\_\_

**Sponsor Representative**

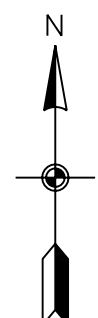
Title: Chairman - GDD#3

Date: 4-21-06

**Section 6 Attachments:**

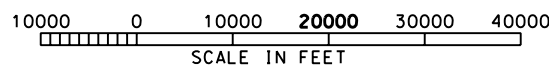
- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)





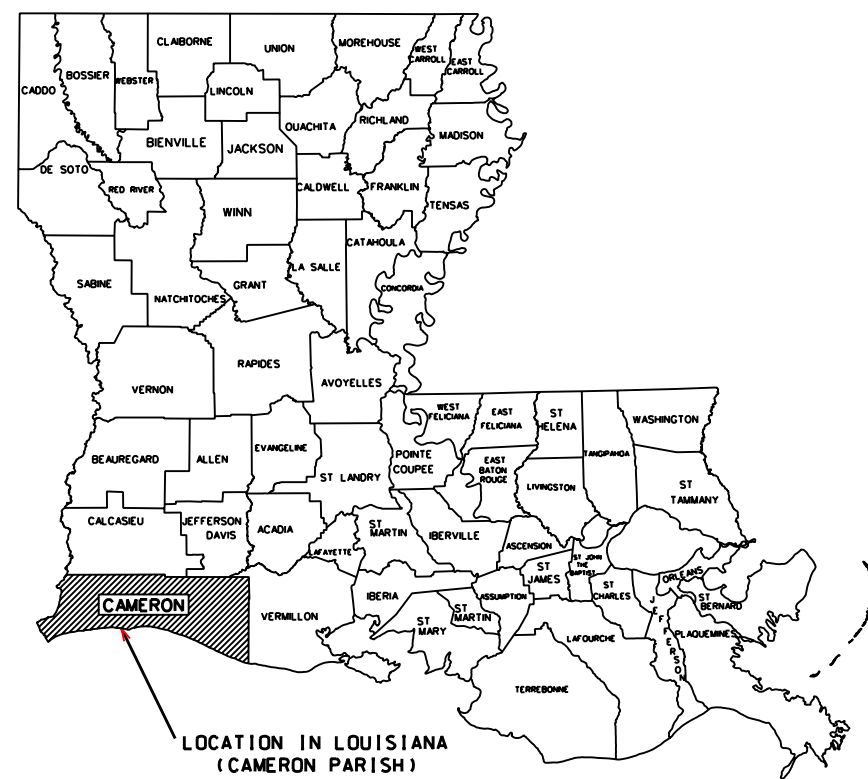
MAPS COPYRIGHT THE ROADS OF LOUISIANA, SHEARER PUBLISHING

VICINITY MAP  
DRS# 023-05-011R



INDEX OF DRAWINGS

1	COVER SHEET - VICINITY MAP	12	SECTIONS-STATION 247+63 THRU 267+72
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5	SECTIONS-STATION 34+98 THRU 55+51	16	SECTIONS-STATION 349+63 THRU 369+56
6	SECTIONS-STATION 65+69 THRU 85+63	17	SECTIONS-STATION 379+70 THRU 399+97
7	SECTIONS-STATION 95+70 THRU 115+50	18	SECTIONS-STATION 409+95 THRU 416+58
8	SECTIONS-STATION 126+42 THRU 146+39	19	SECTIONS-STATION 426+65 THRU 436+63
9	SECTIONS-STATION 156.35 THRU 176+31		
10	SECTIONS-STATION 186+74 THRU 207+00		
11	SECTIONS-STATION 217+25 THRU 237+43		



EMERGENCY REPAIR  
BUILT UNDER THE  
EMERGENCY WATERSHED PROTECTION PROGRAM  
BY GRAVITY DRAINAGE DISTRICT NO.3  
WITH THE ASSISTANCE OF THE  
NATURAL RESOURCES CONSERVATION SERVICE  
OF THE  
UNITED STATES DEPARTMENT OF AGRICULTURE  
2006

DATE	DESIGNED	DRAWN	CHECKED	APPROVED
03/06	D. MARTIN	A. GREMILLION & G. BURNS	D. MARTIN & B. STICKER	
04/06				
04/06				

COVER SHEET - VICINITY MAP  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
DSR-023-05-011R/CHANNEL W-1  
GRAVITY DRAINAGE DISTRICT #3  
CAMERON PARISH, LOUISIANA

**NRCS**  
Natural Resources Conservation Service  
United States Department of Agriculture

FILE NAME  
LA-EWP-2006

DRAWING NAME  
023-05-011R01

REVISIONS			
NO.	DATE	APPROVED	TITLE

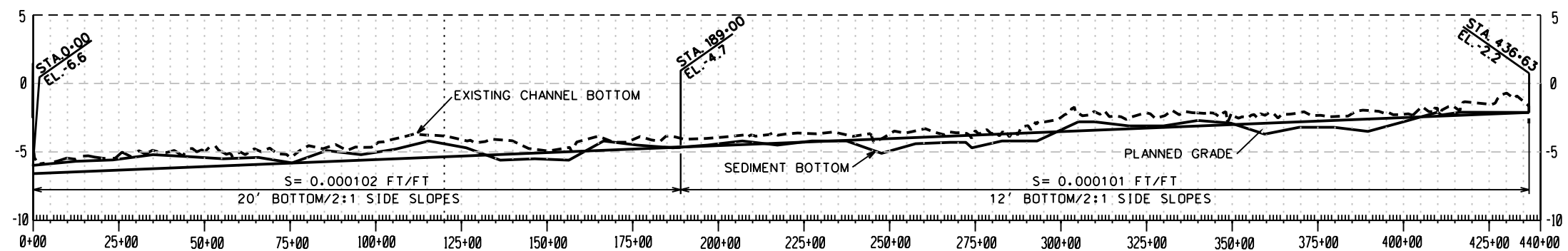
SHEET 1 OF 19



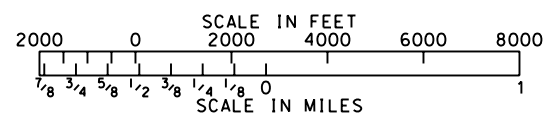


SITE LOCATION MAP  
CHANNEL W-1  
DSR#023-05-011R

CHANNEL C/L LOCATION	
BEGIN CONSTRUCTION	END CONSTRUCTION
STA. 0+00	STA. 436+63
N479841.40 E2650131.25	N476382.87 E2691531.11
LAT/LONG.	LAT/LONG.
29 48 15.910 93 19 19.461	29 47 48.555 93 11 28.955



PROFILE  
CENTERLINE CHANNEL W-1  
DSR# 023-05-011R



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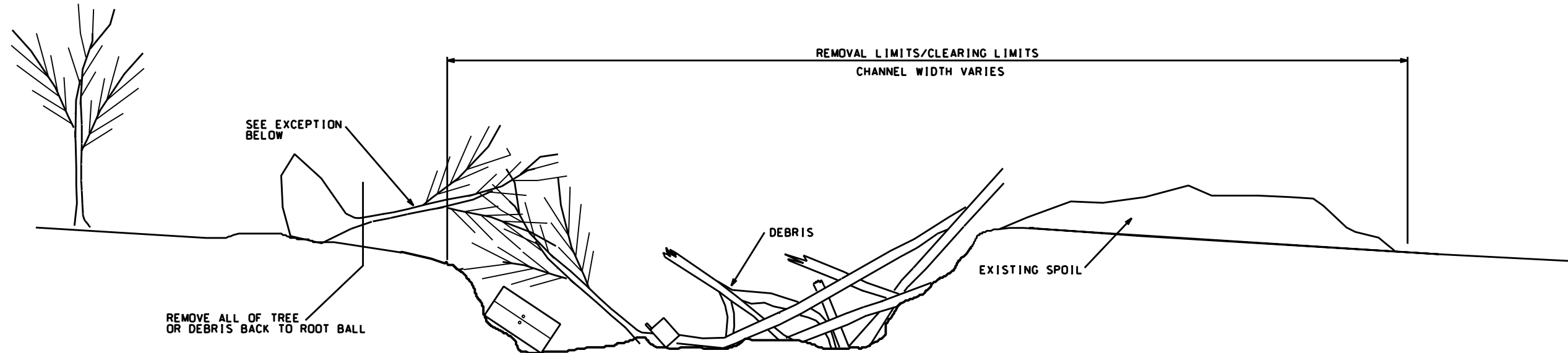
SITE MAP & PROFILE  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 0+00-436+63  
CAMERON PARISH, LOUISIANA



FILE NAME  
LA -EWP  
DRAWING NAME  
023-05-011R02

DESIGNED	D. MARTIN	DATE	03/06
DRAWN	A. GREMILLION/G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED		DATE	

NOTICE:  
48 HOURS BEFORE DIGGING  
CALL 1-800-272-3020

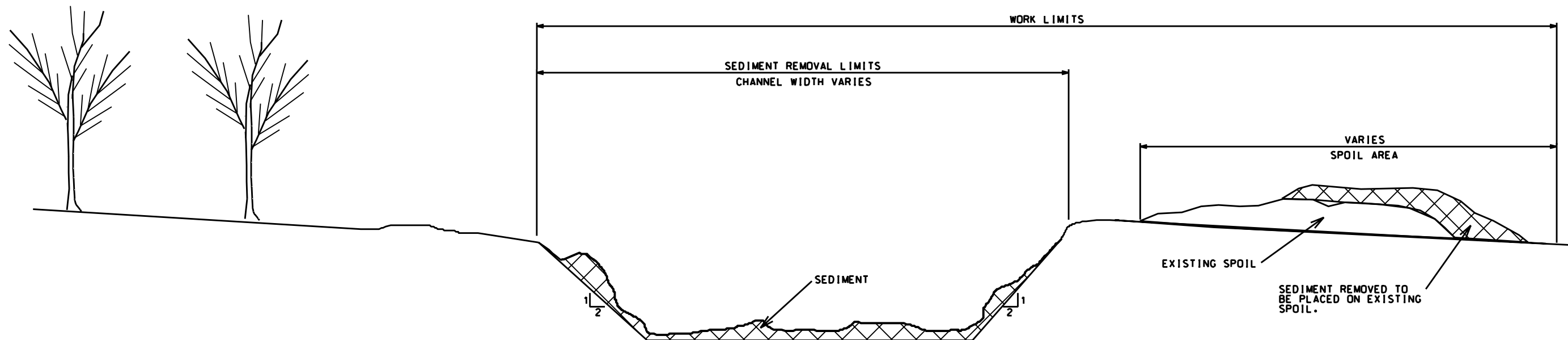


NOTE: SIDE OF WORK VARIES. RIGHT OF WAY ON BOTH SIDES; HOWEVER WORK FROM ONLY ONE SIDE IN ANY REACH AS CONCURRED IN BY COTR.

EXCEPTION: IT MAY BE POSSIBLE THAT TREES OR DEBRIS WHICH WERE LOCATED OUTSIDE OF THE REMOVAL LIMITS MAY HAVE FALLEN INTO THE REMOVAL LIMITS. THESE TREES OR DEBRIS WHICH MAY BE LOCATED OUTSIDE OF THE REMOVAL LIMITS WILL BE REMOVED.

TYPICAL CHANNEL DEBRIS REMOVAL  
SITE W-1  
N.T.S

NOTICE:  
48 HOURS BEFORE DIGGING  
CALL 1-800-272-3020



1. NOTE: SIDE OF WORK VARIES. RIGHT OF WAY ON BOTH SIDES; HOWEVER WORK FROM ONLY ONE SIDE IN ANY REACH AS CONCURRED IN BY COTR.
2. CLEARING OF UNDAMAGED WOODY VEGETATION ON THE EXISTING SPOIL SHALL BE LIMITED TO ONLY THAT IS NECESSARY FOR PLACEMENT OF THE REMOVED SEDIMENT.

TYPICAL CHANNEL SEDIMENT REMOVAL  
SITE W-1  
N.T.S

REVISIONS			
NO.	DATE	APPROVED	TITLE

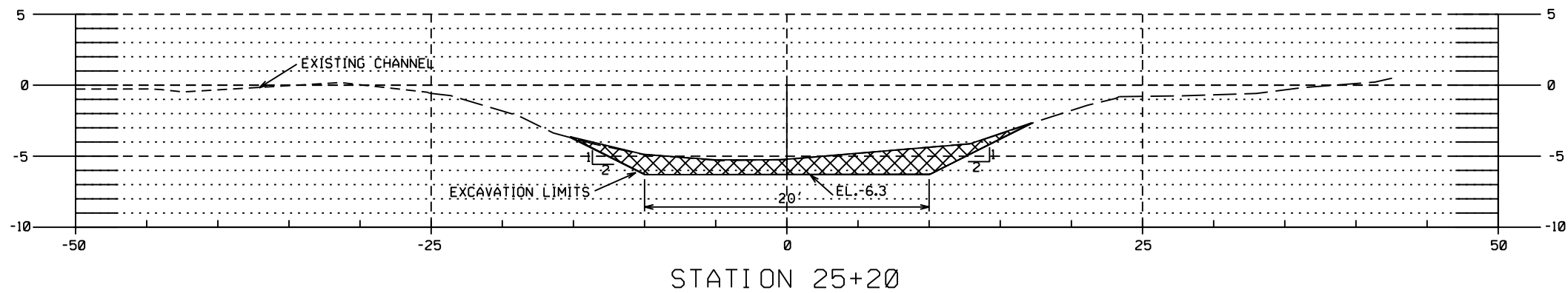
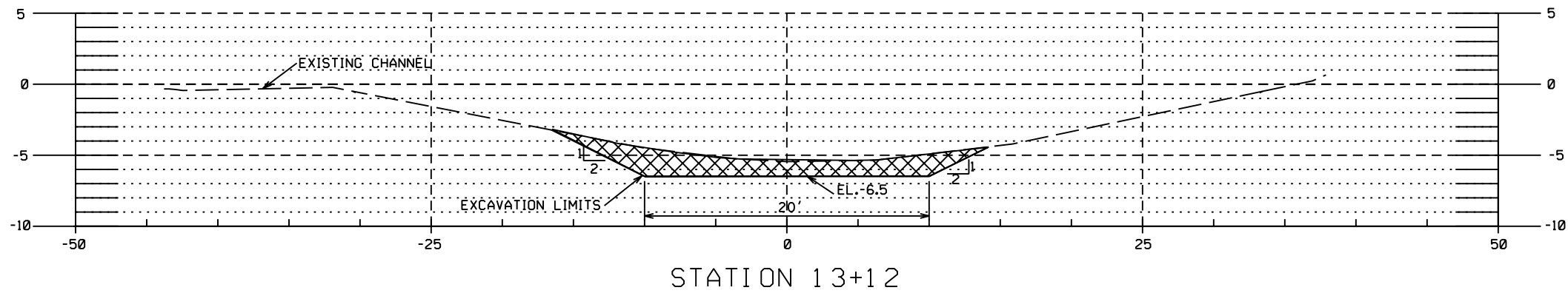
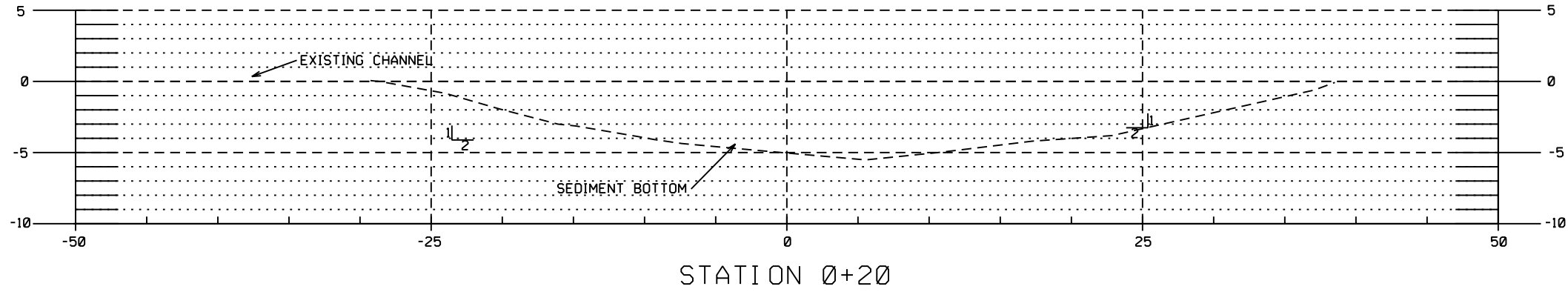
DATE	DESIGNED	DRAWN	CHECKED	APPROVED
03/06	D. MARTIN	G. BURNS	B. STICKER	
04/06				
04/06				

TYPICAL-CHANNEL DEBRIS/SEDIMENT REMOVAL  
DSR-023-05-011R/CHANNEL W-1  
GRAVITY DRAINAGE DISTRICT #3  
CAMERON PARISH, LOUISIANA



FILE NAME  
LA-EWP-2006  
DRAWING NAME  
023-05-011R03

SHEET 3 OF 19



DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
DSR-023-05-011R  
CHANNEL W-1 STATION 0+20-25+20  
CAMERON PARISH, LOUISIANA



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NO.	DATE	APPROVED	TITLE

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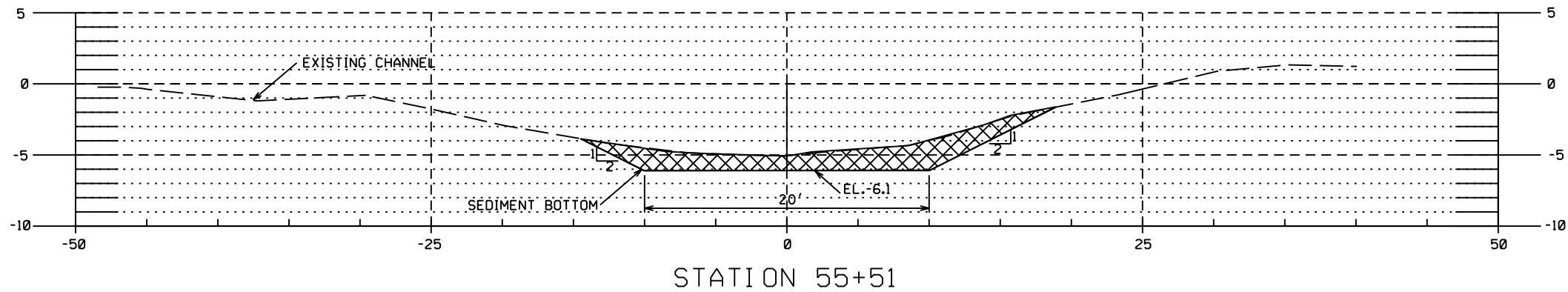
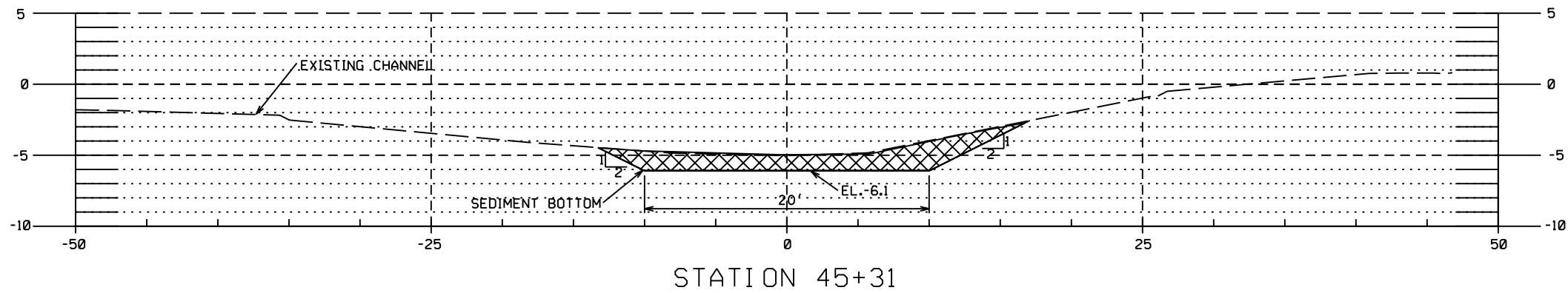
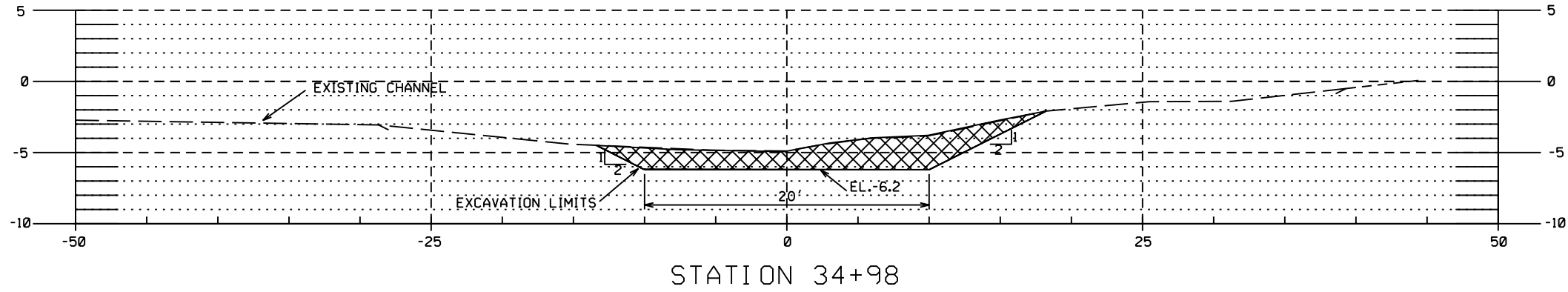
LA -EWP

DRAWING NAME

023-05-011R04

SHEET 4 OF 19





DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 34+98-55+51  
CAMERON PARISH, LOUISIANA



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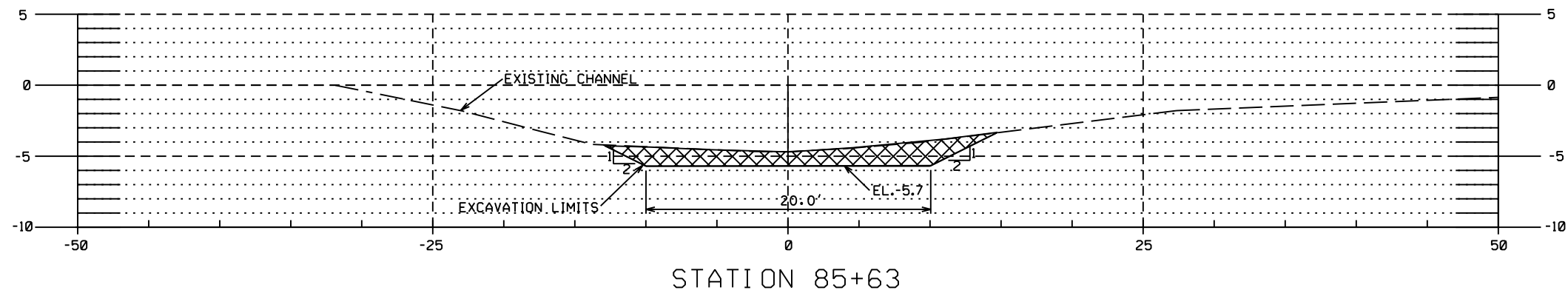
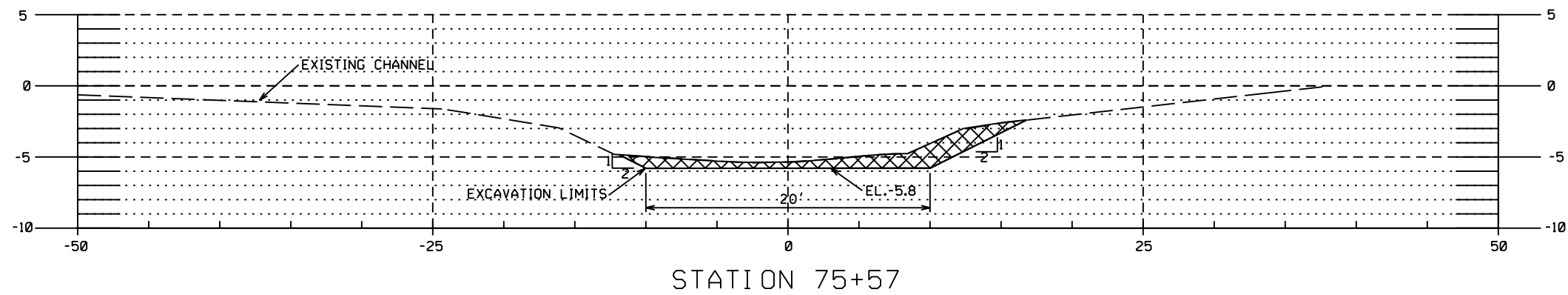
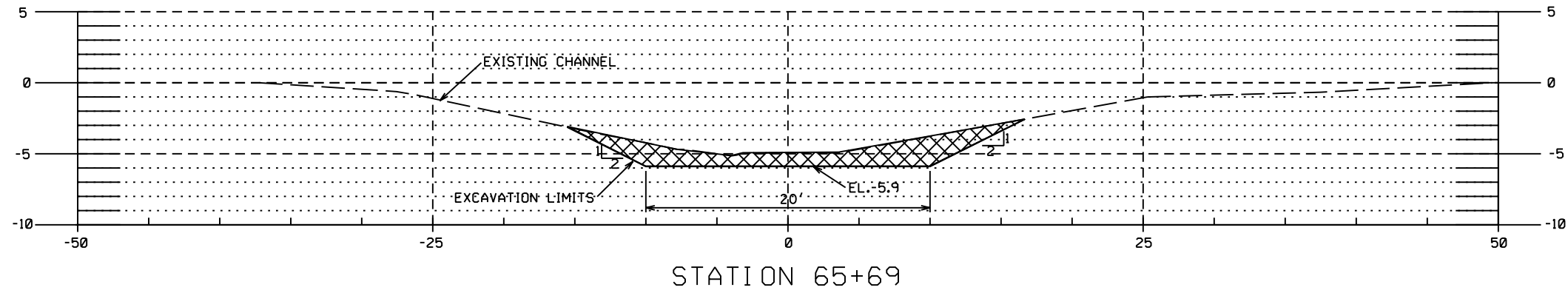
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SHEET 5 OF 19



DESIGNED	D. MARTIN	DATE	04/06
DRAWN	G. BURNS		04/06
CHECKED	B. STICKER		04/06
APPROVED	D. Martin & C. LAFLEUR		

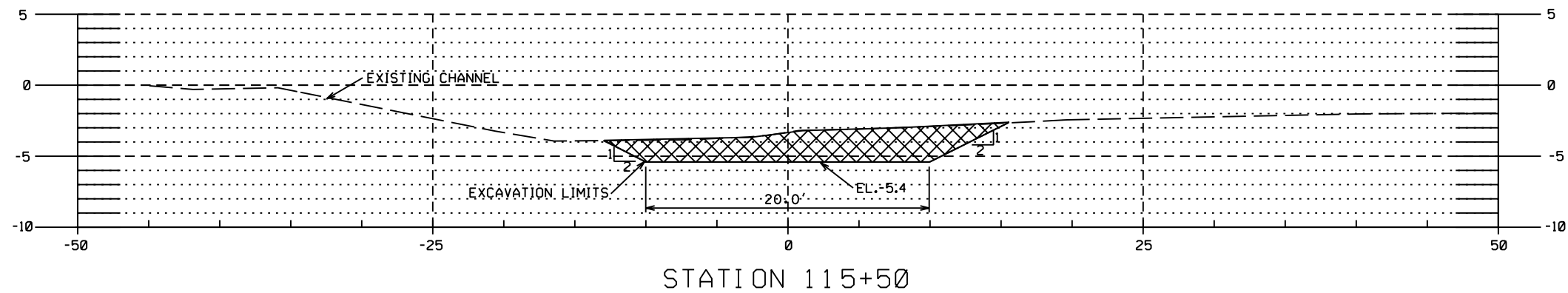
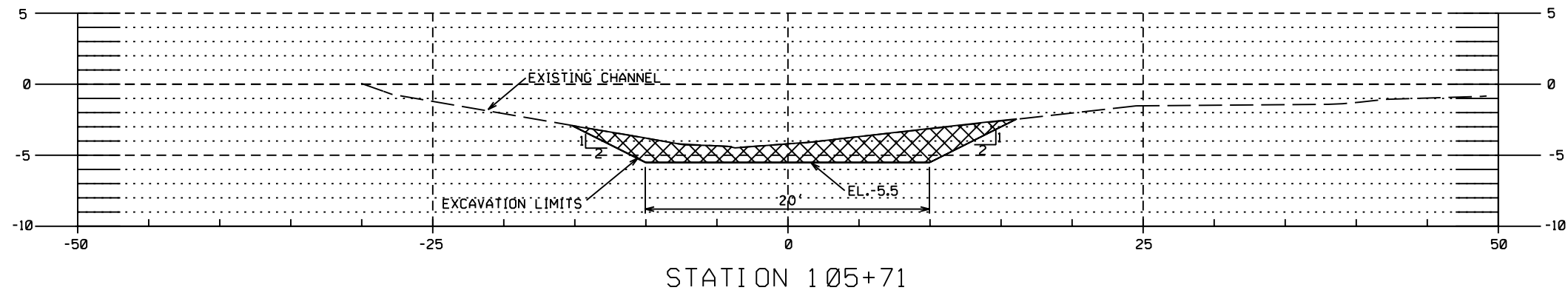
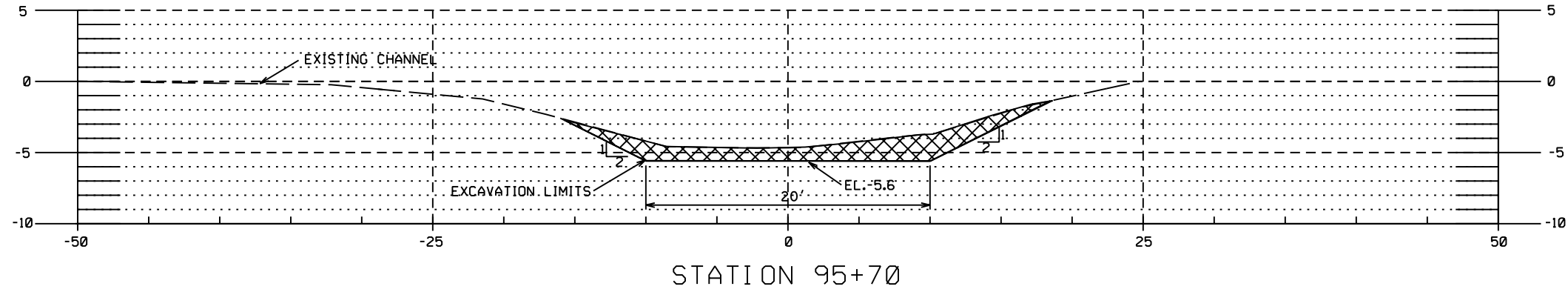
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DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 65+69-85+63  
CAMERON PARISH, LOUISIANA



FILE NAME	LA -EWP
DRAWING NAME	023-05-011R04

REVISIONS			
NO.	DATE	APPROVED	TITLE





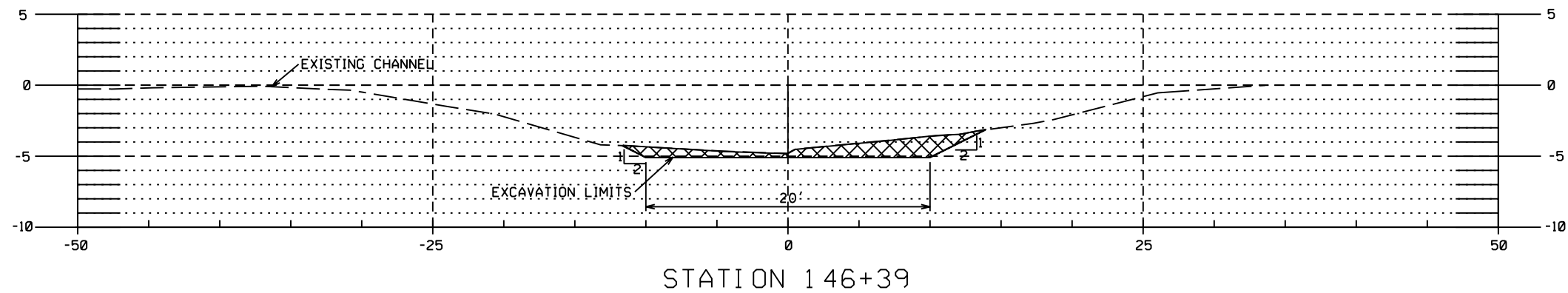
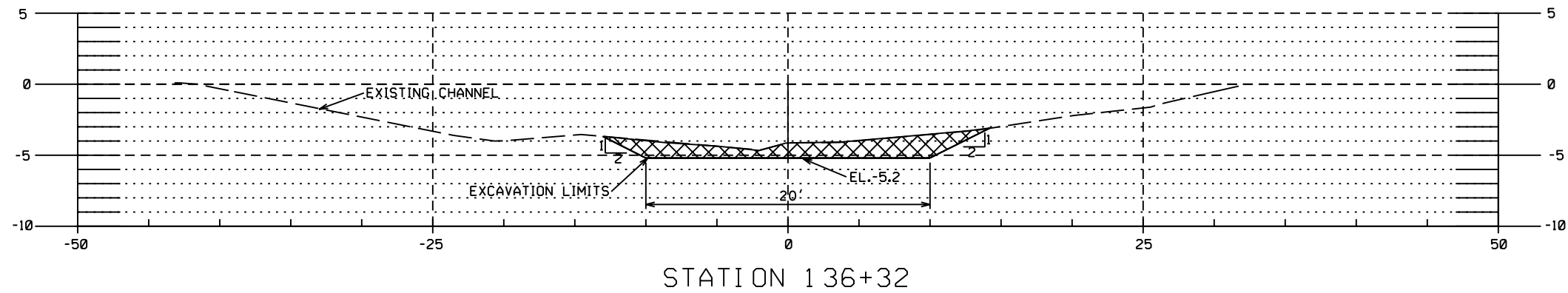
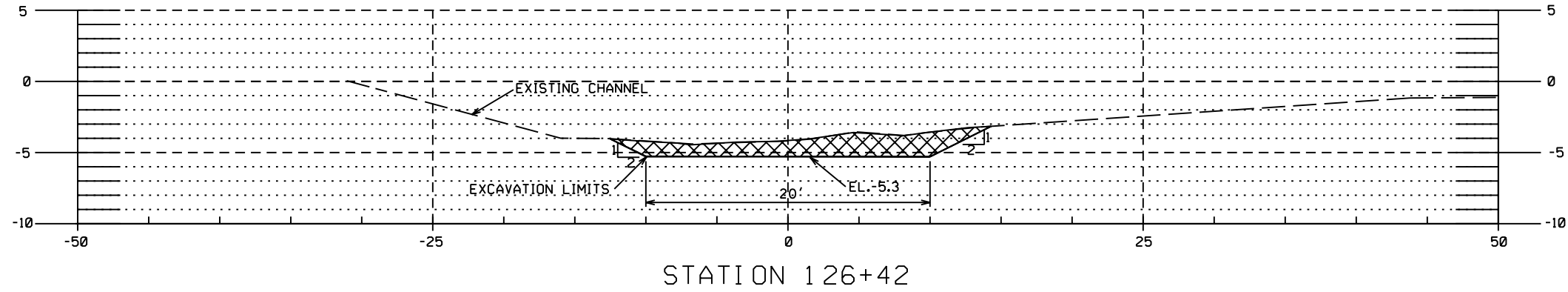
REVISIONS			
NO.	DATE	APPROVED	TITLE

DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 95+70-115+50  
CAMERON PARISH, LOUISIANA



FILE NAME
LA -EWP
DRAWING NAME
023-05-011R07
SHEET
7 OF 19



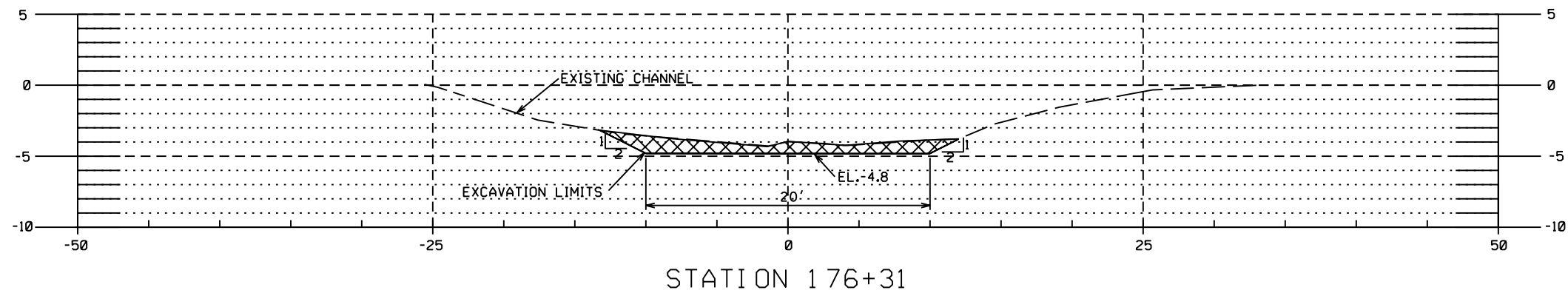
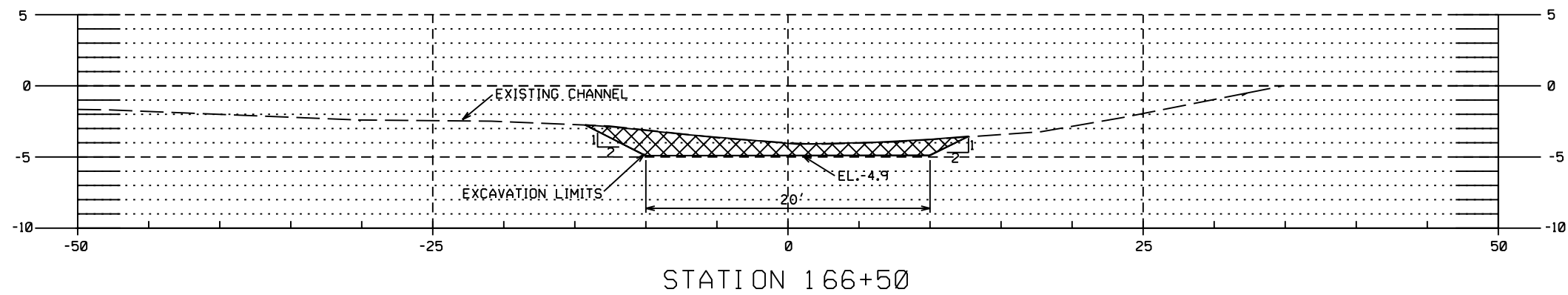
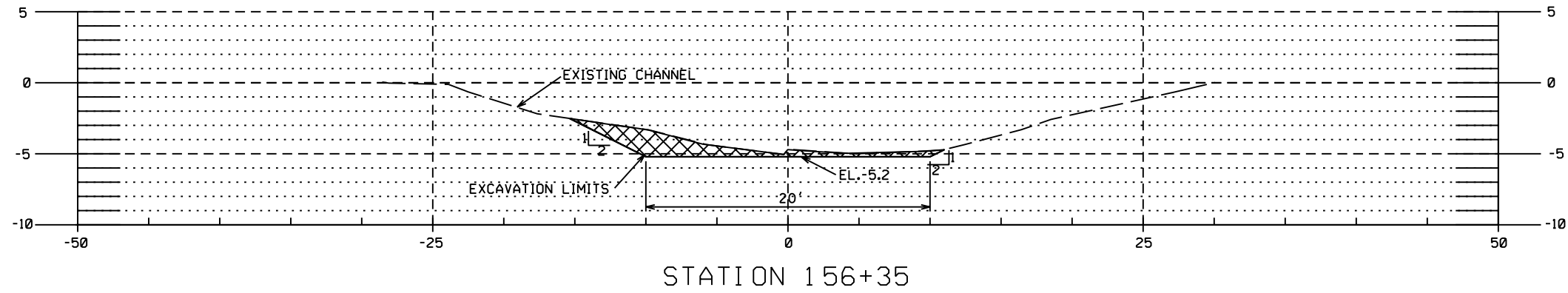
DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 126+42-146+39  
CAMERON PARISH, LOUISIANA



REVISIONS			
NO.	DATE	APPROVED	TITLE

FILE NAME	LA -EWP
DRAWING NAME	023-05-011R08
SHEET	8 OF 19



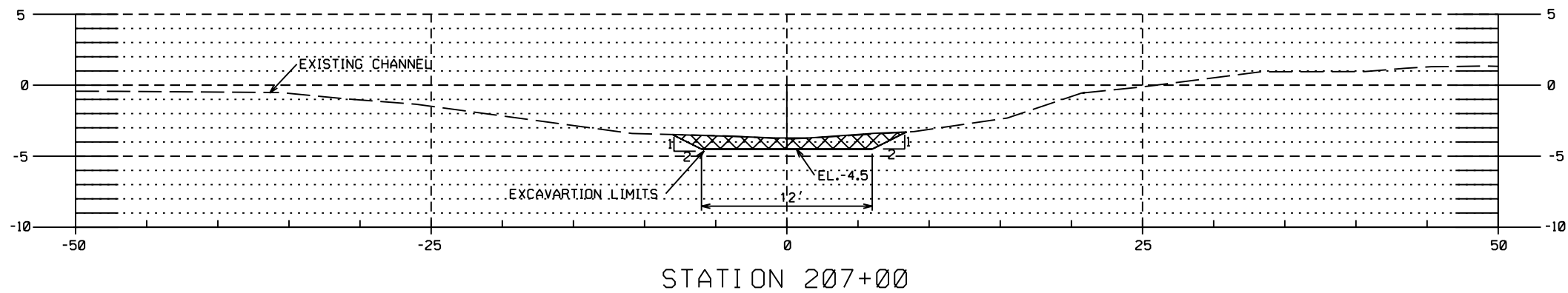
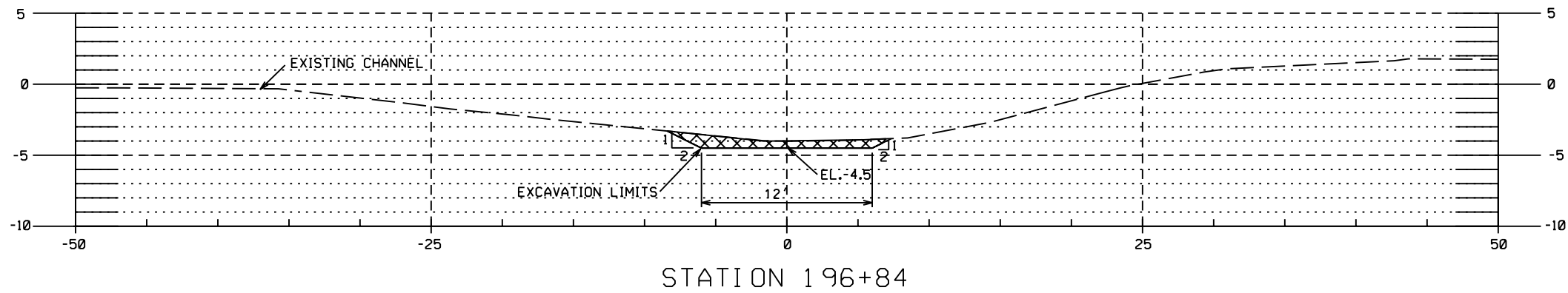
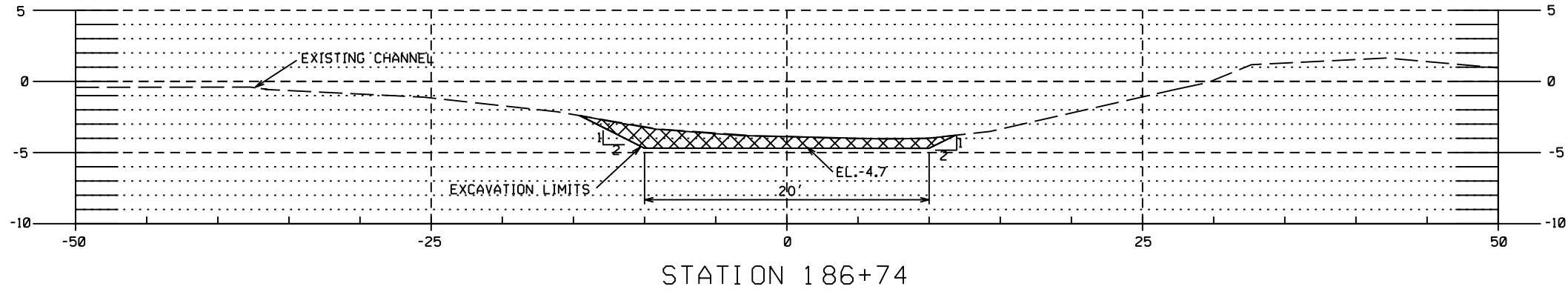
DESIGNED	D. MARTIN	DATE	04/06
DRAWN	G. BURNS		04/06
CHECKED	B. STICKER		04/06
APPROVED	D. Martin & C. LAFLEUR		

X-SECTIONS  
 DSR-023-05-011R  
 CHANNEL DEBRIS AND SEDIMENT REMOVAL  
 CHANNEL W-1 STATION 156+35-176+31  
 CAMERON PARISH, LOUISIANA



FILE NAME	LA -EWP
DRAWING NAME	023-05-011R09
SHEET	9 OF 19

REVISIONS			
NO.	DATE	APPROVED	TITLE



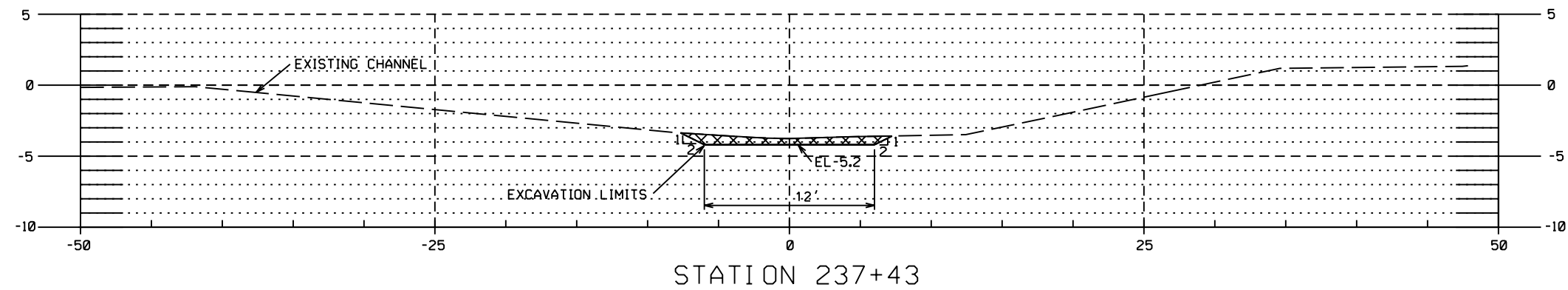
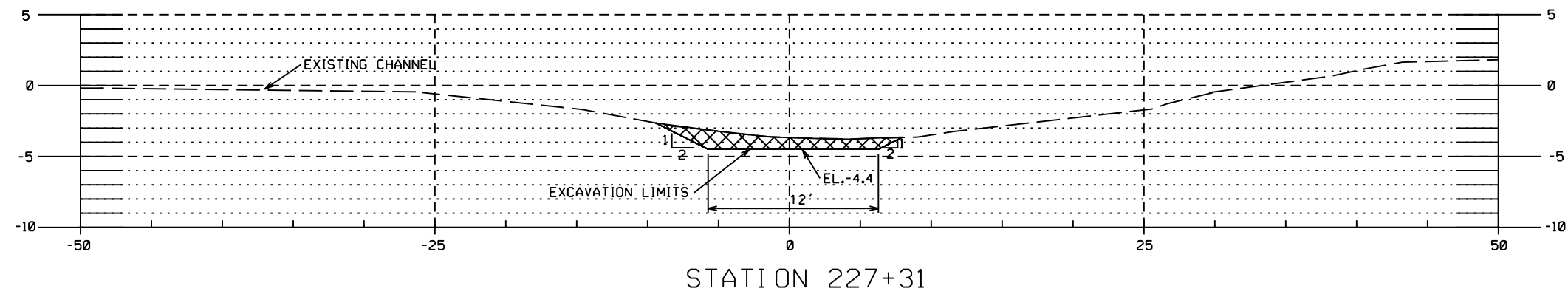
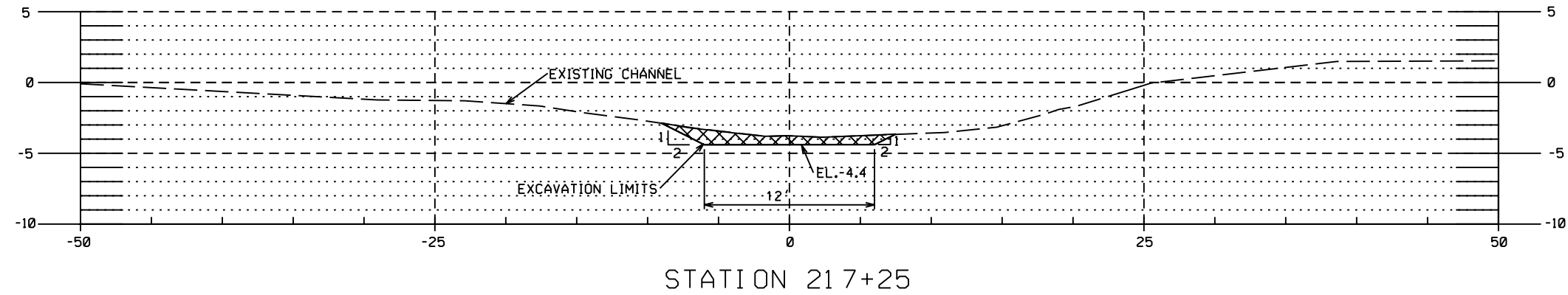
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DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
 DSR-023-05-011R  
 CHANNEL DEBRIS AND SEDIMENT REMOVAL  
 CHANNEL W-1 STATION 186+74-207+00  
 CAMERON PARISH, LOUISIANA



FILE NAME	LA -EWP
DRAWING NAME	023-05-011R10
SHEET	10 OF 19

REVISIONS			
NO.	DATE	APPROVED	TITLE



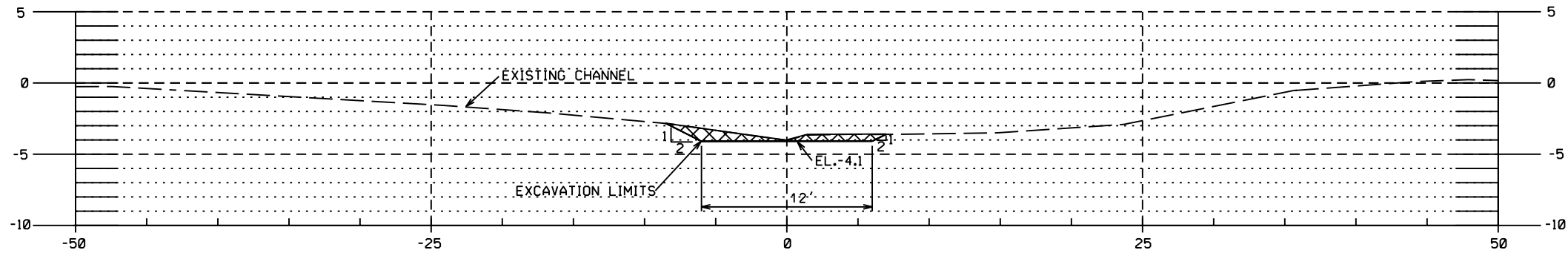
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DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 217+25-237+43  
CAMERON PARISH, LOUISIANA

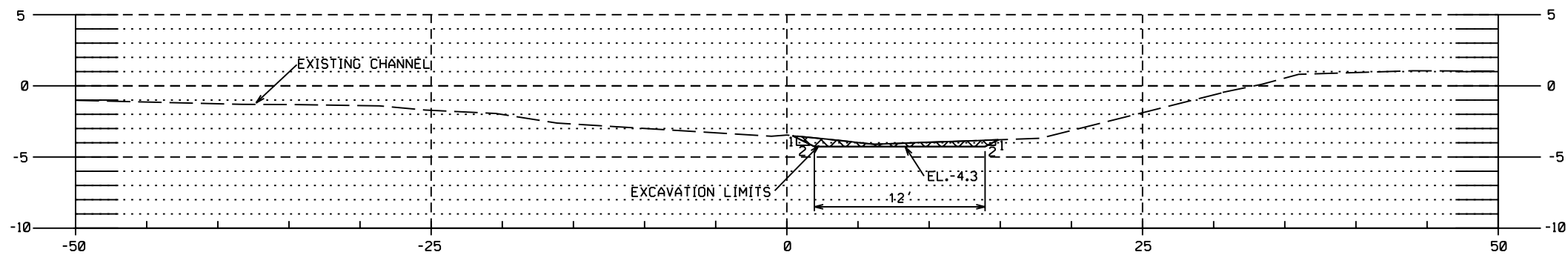


REVISIONS			
NO.	DATE	APPROVED	TITLE

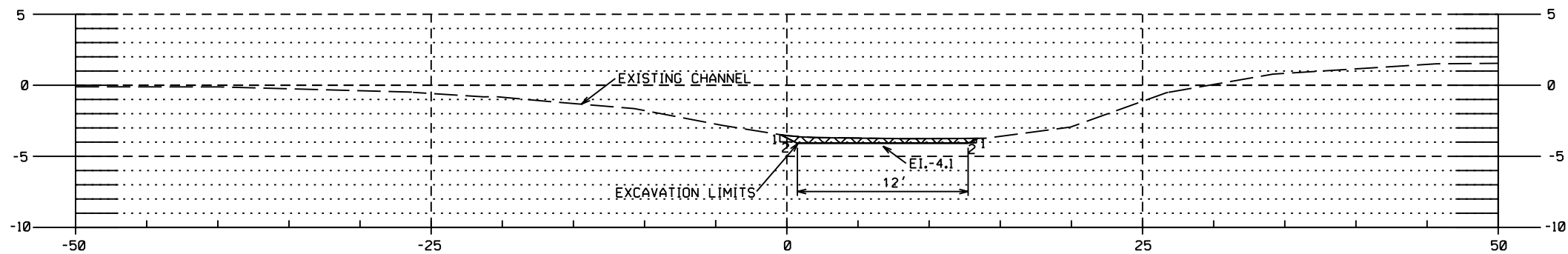
FILE NAME	LA -EWP
DRAWING NAME	023-05-011R11
SHEET	11 OF 19



STATION 247+63



STATION 257+58



STATION 267+72

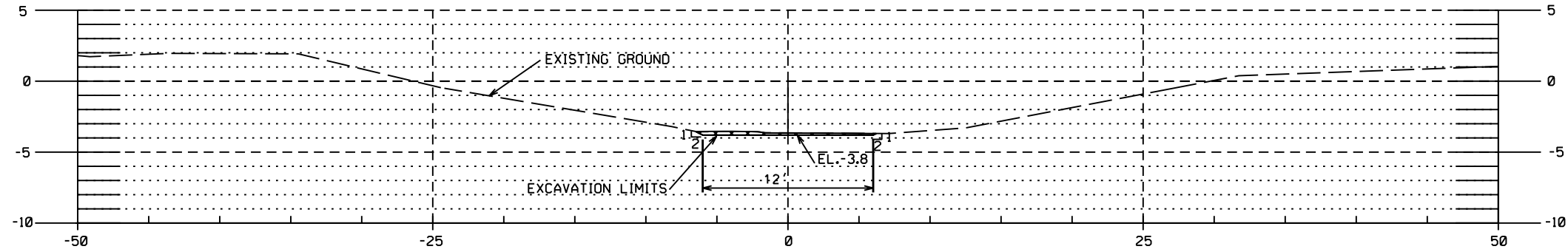
REVISIONS			
NO.	DATE	APPROVED	TITLE

DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

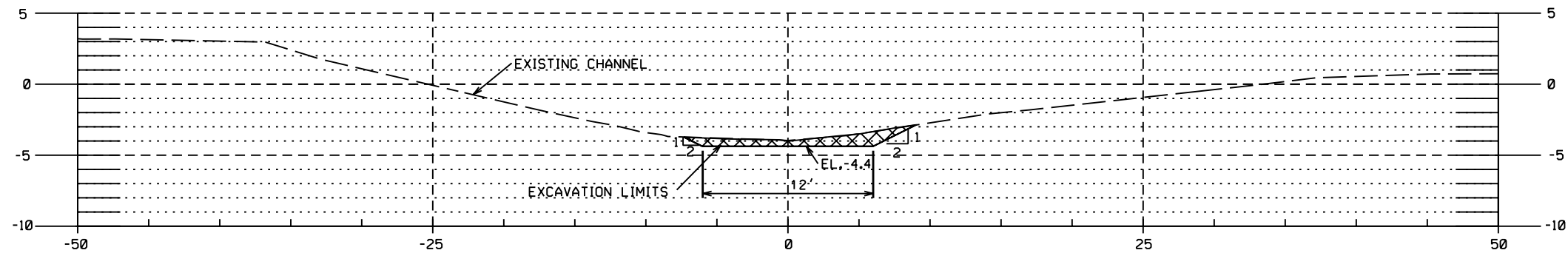
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CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 247+63-267+72  
CAMERON PARISH, LOUISIANA



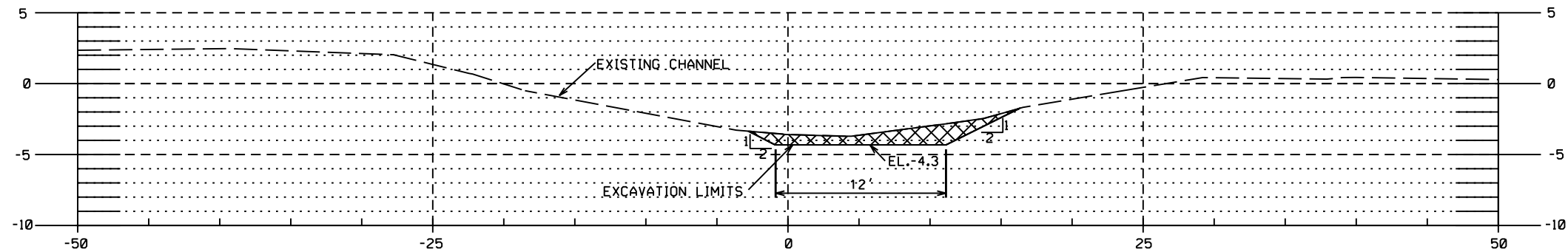
FILE NAME	LA -EWP
DRAWING NAME	023-05-011R12
SHEET	12 OF 19



STATION 272+23



STATION 274+00



STATION 282+81

DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 272+23-282+81  
CAMERON PARISH, LOUISIANA



REVISIONS			
NO.	DATE	APPROVED	TITLE

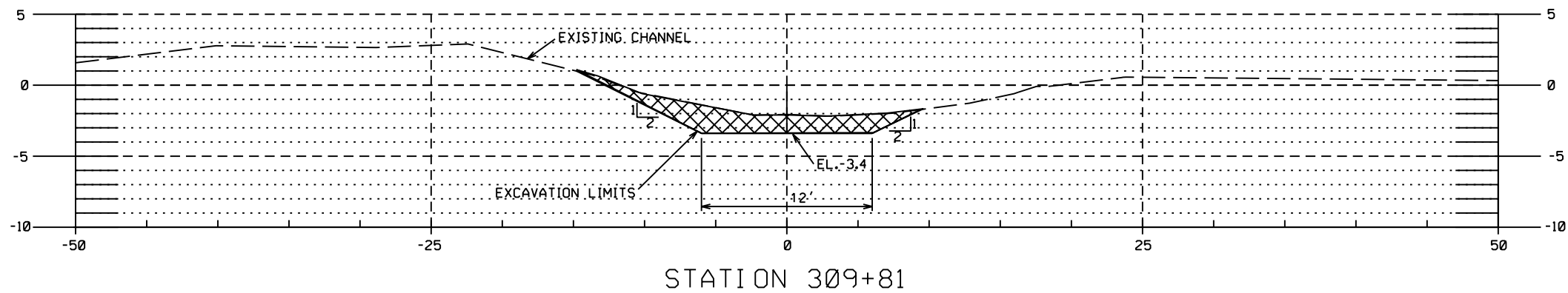
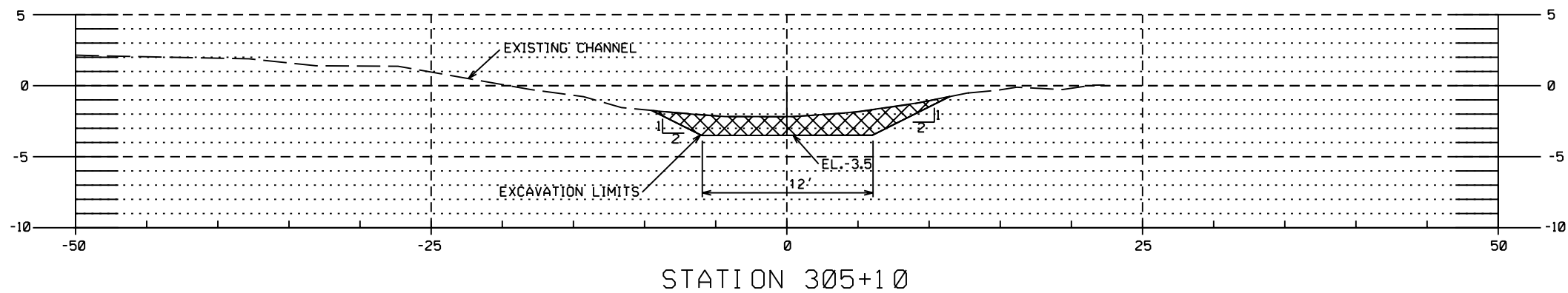
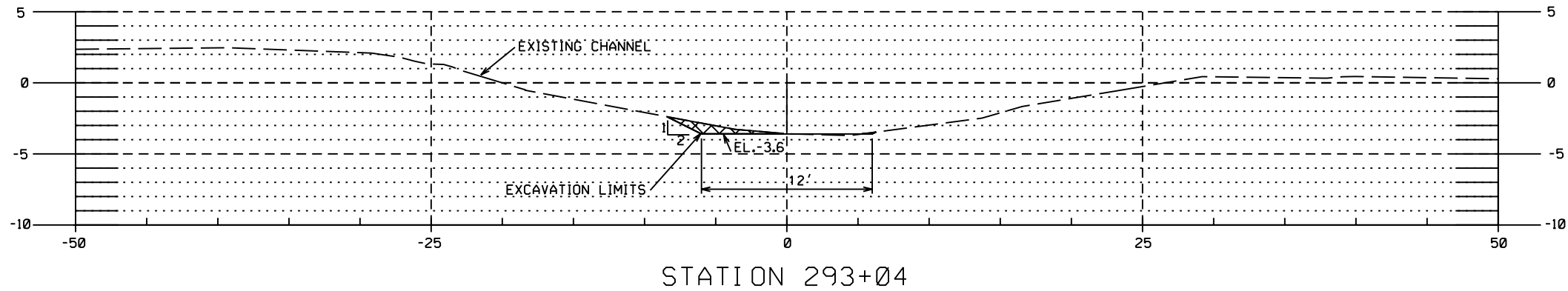
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LA -EWP

DRAWING NAME

023-05-011R13

SHEET 13 OF 19



DATE	04/06
DESIGNED	D. MARTIN
DRAWN	G. BURNS
CHECKED	B. STICKER
APPROVED	D. Martin & C. LAFLEUR

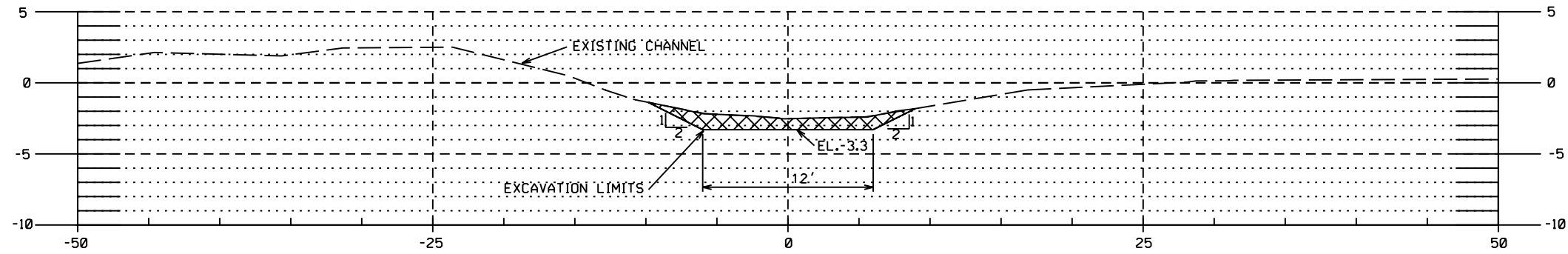
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CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 293+04-309+81  
CAMERON PARISH, LOUISIANA



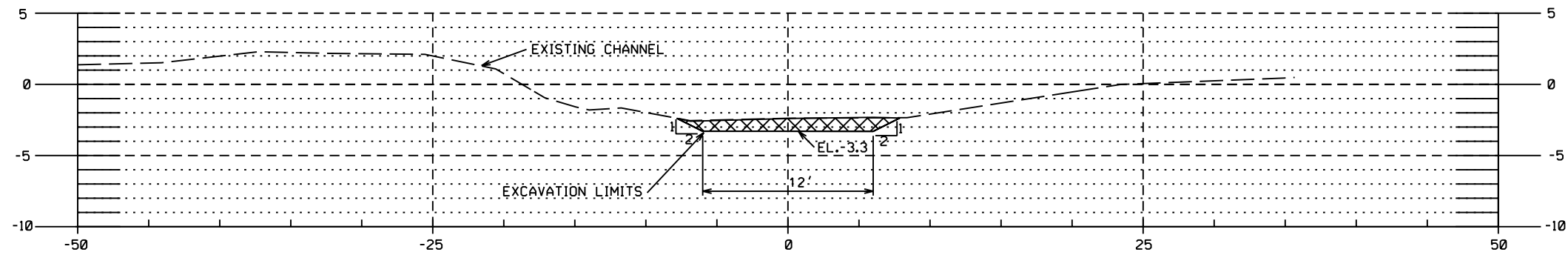
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DRAWING NAME	023-05-011R14
SHEET	14 OF 19

REVISIONS			
NO.	DATE	APPROVED	TITLE

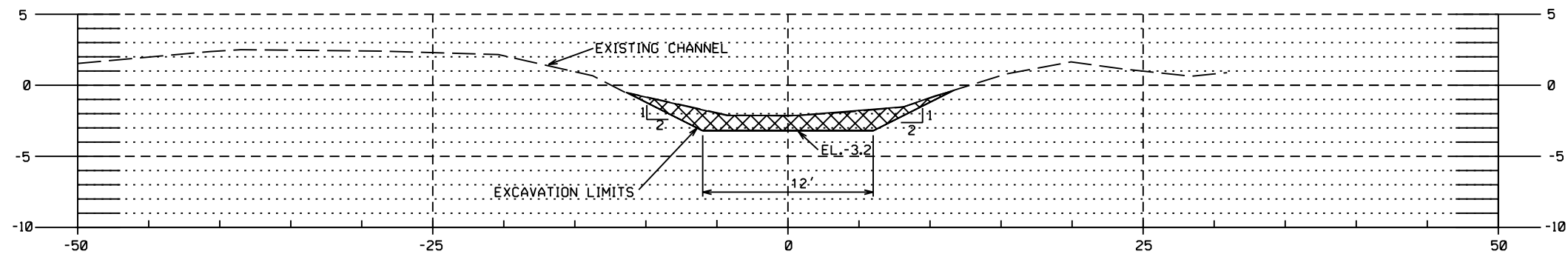




STATION 319+89



STATION 329+94



STATION 339+96

DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 319+89-339+96  
CAMERON PARISH, LOUISIANA



REVISIONS			
NO.	DATE	APPROVED	TITLE

FILE NAME

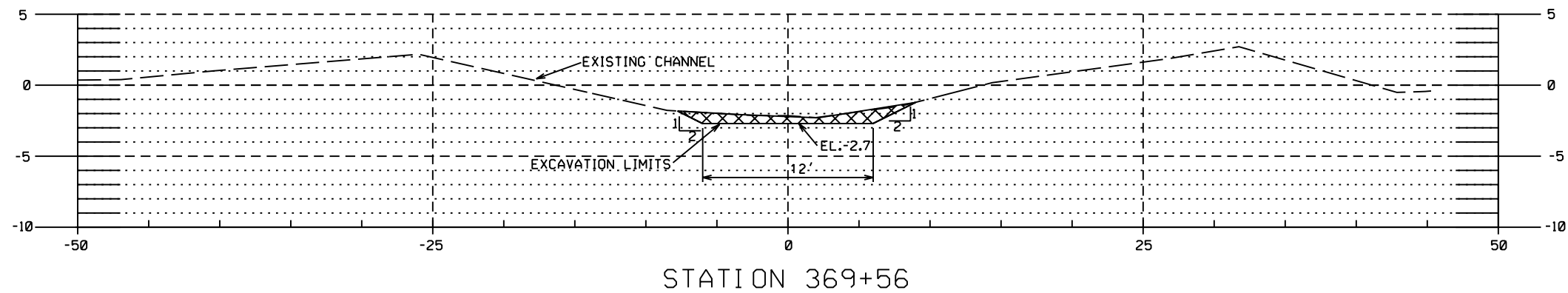
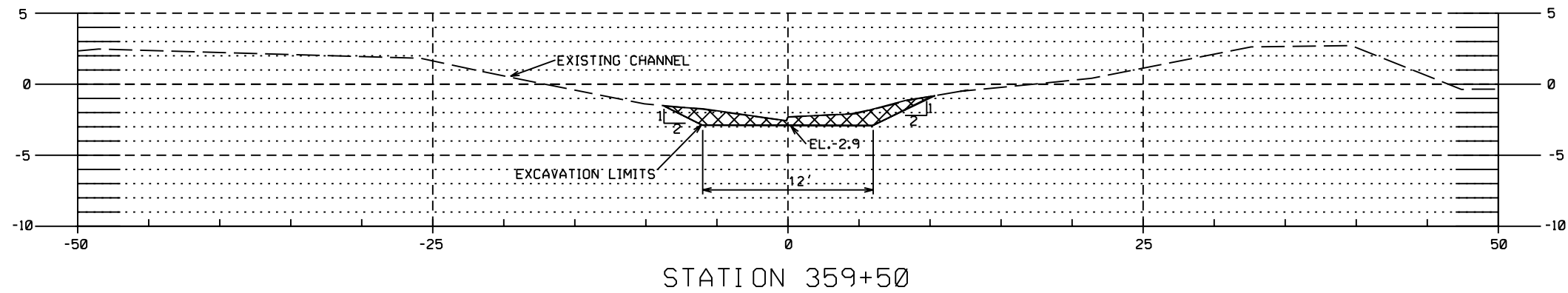
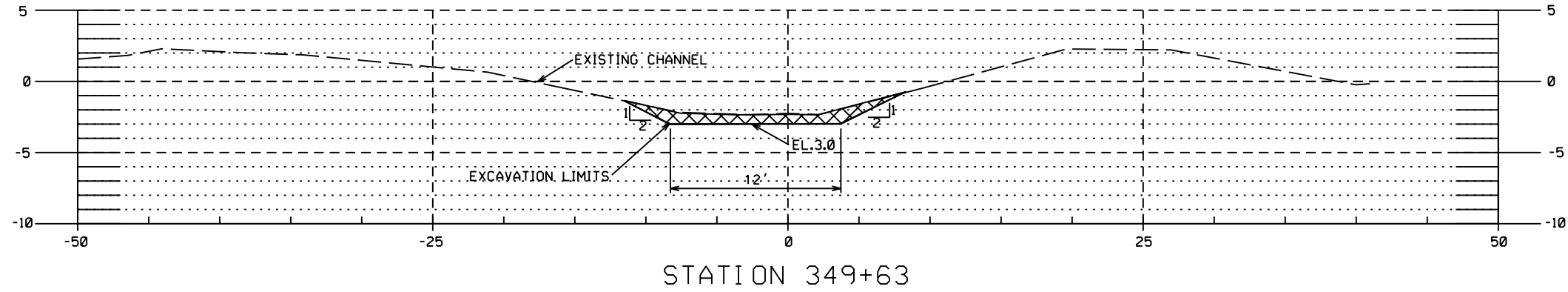
LA -EWP

DRAWING NAME

023-05-011R15

SHEET

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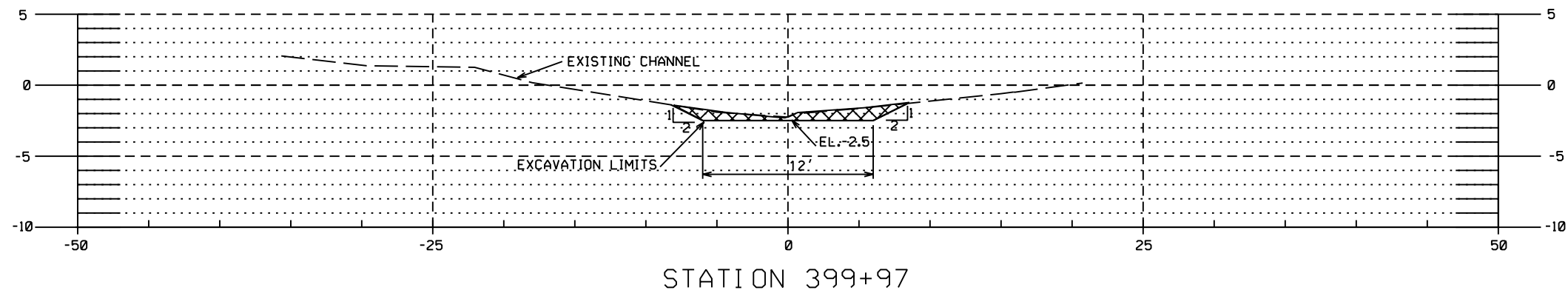
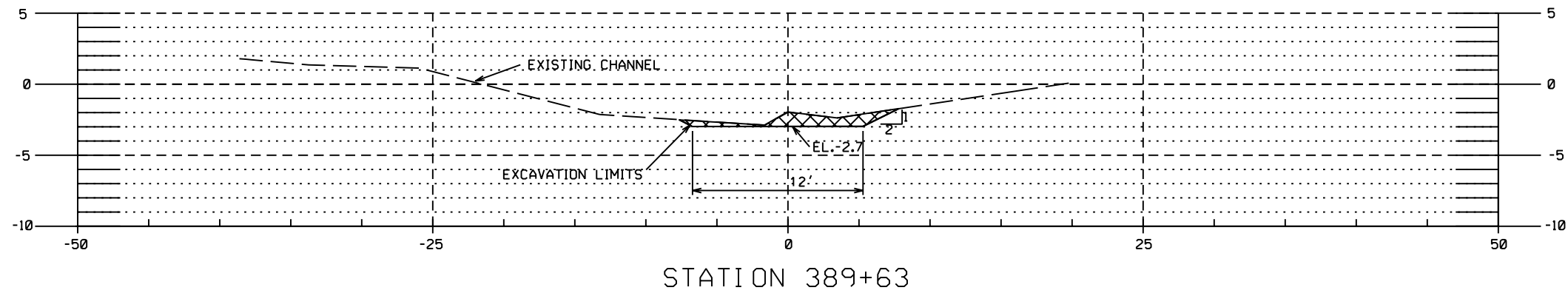
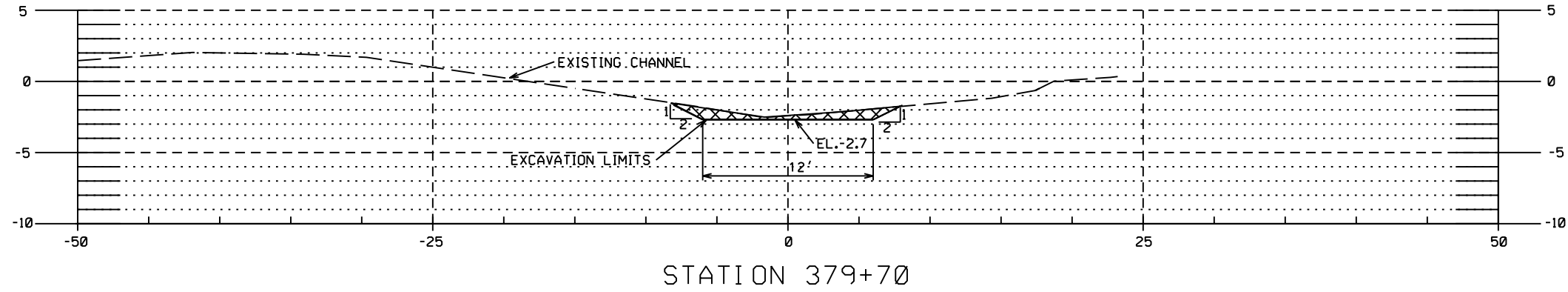
DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 349+63-369+56  
CAMERON PARISH, LOUISIANA



REVISIONS			
NO.	DATE	APPROVED	TITLE

FILE NAME	LA -EWP
DRAWING NAME	023-05-011R16
SHEET	16 OF 19



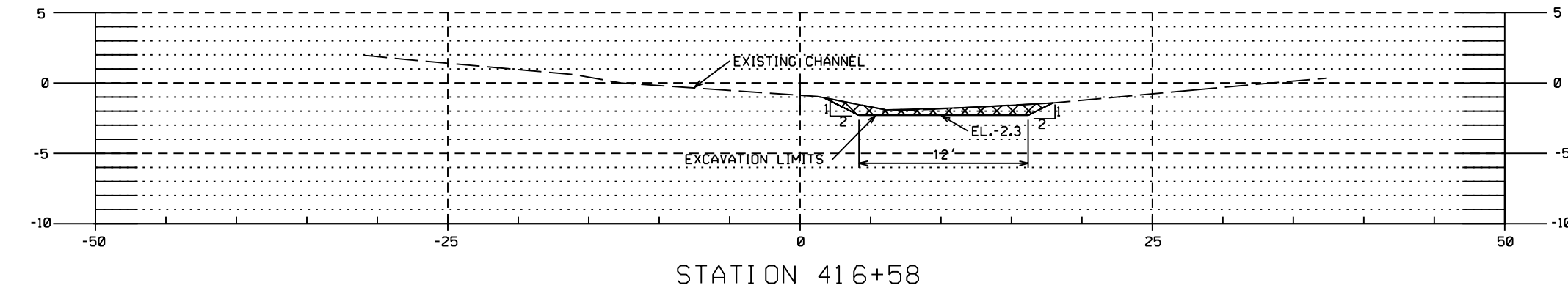
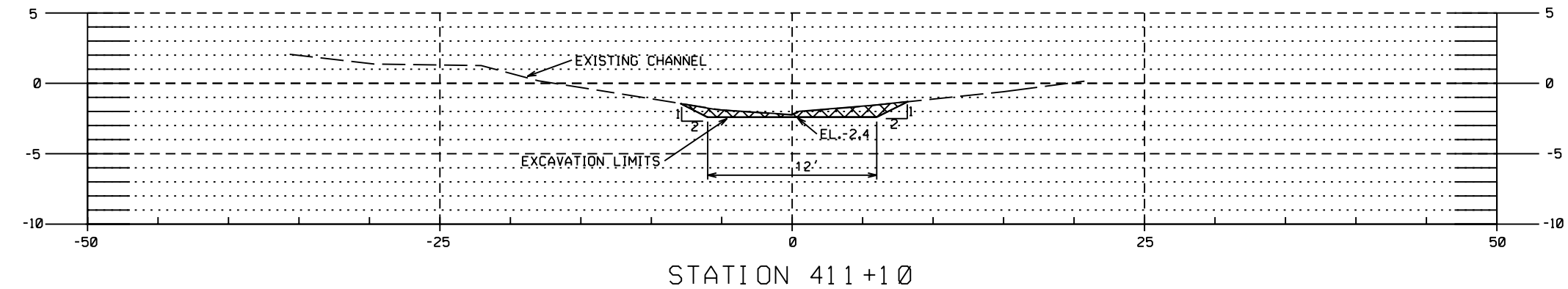
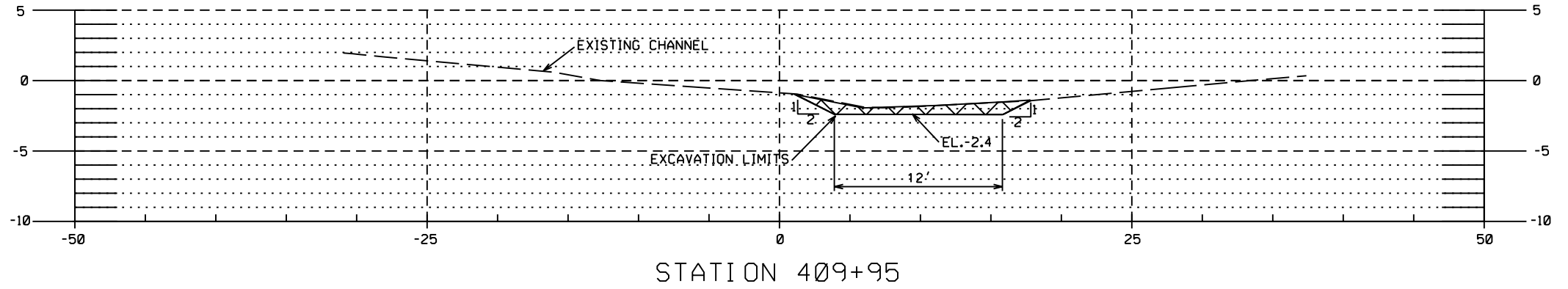
DESIGNED	D.MARTIN	DATE	04/06
DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 379+70-399+97  
CAMERON PARISH, LOUISIANA



FILE NAME	
LA -EWP	
DRAWING NAME	
023-05-011R17	
SHEET 17 OF 19	

REVISIONS			
NO.	DATE	APPROVED	TITLE



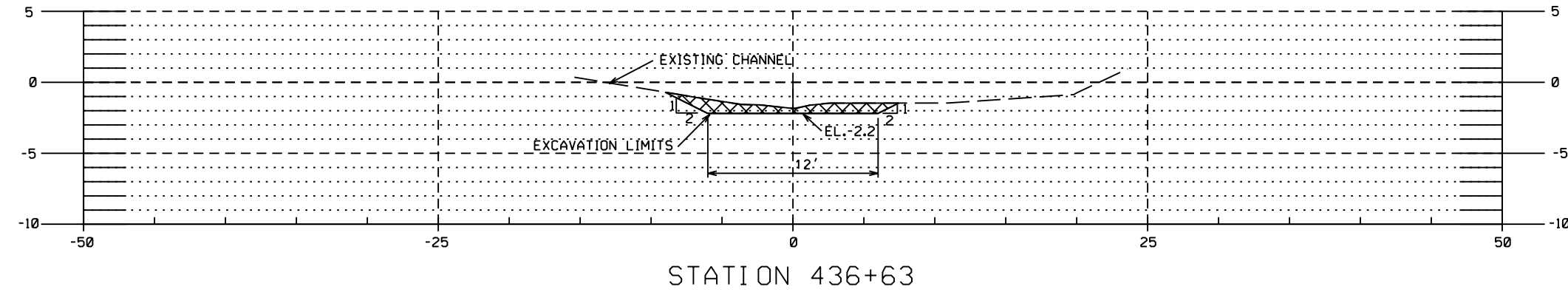
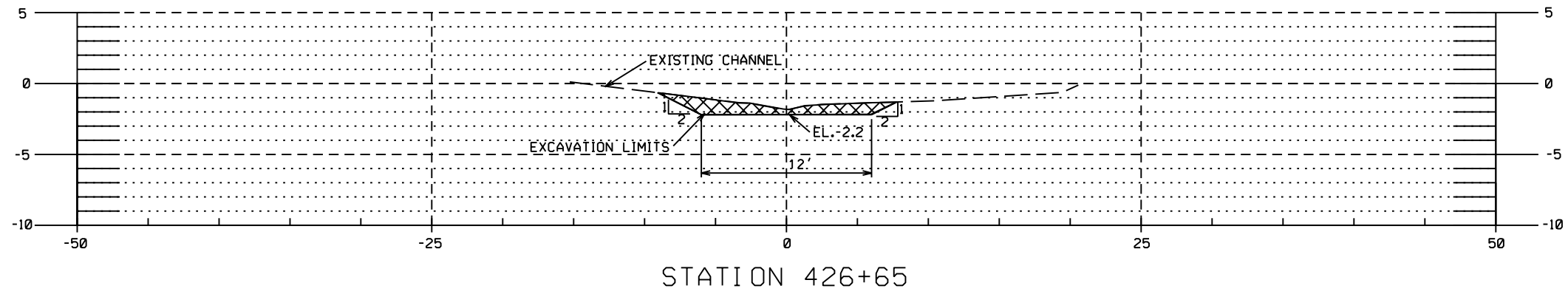
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DRAWN	G. BURNS	DATE	04/06
CHECKED	B. STICKER	DATE	04/06
APPROVED D. Martin & C. LAFLEUR			

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 409+95-416+58  
CAMERON PARISH, LOUISIANA



REVISIONS			
NO.	DATE	APPROVED	TITLE

FILE NAME	LA -EWP
DRAWING NAME	023-05-011R18
SHEET	18 OF 19



DATE	04/06
DESIGNED	D.MARTIN
DRAWN	G. BURNS
CHECKED	B. STICKER
APPROVED	D. Martin & C. LAFLEUR

X-SECTIONS  
DSR-023-05-011R  
CHANNEL DEBRIS AND SEDIMENT REMOVAL  
CHANNEL W-1 STATION 426+65-436+63  
CAMERON PARISH, LOUISIANA



FILE NAME	LA -EWP
DRAWING NAME	023-05-011R19
SHEET	19 OF 19

REVISIONS			
NO.	DATE	APPROVED	TITLE